York River Living Shoreline Protection.

SHORELINE EROSION CONTROL

Water Quality Impact Assessment

Pursuant to §23.2-9(d)(3) York County Chesapeake Bay Preservation Areas Ordinance

	Date: 4.15.2010
1.	Applicant/Agent: AFETA CampPeary, Jeonifer Davis. Phone Number: 157, 229, 2121 ext. 4263
2.	Property Owner (if different from applicant):
	Property Address: 100 Fxecutive Dr.; Dilliamsburg. VA 23188
3.	1 H 10 06 10
4,	Parcel Identification (GPIN) GPS Coxed: 37° 19° 57' / 71.0° 38" ALO
5.	Does County sanitary sewer or an on-site wastewater disposal system serve this
	lot/parcel? ot applicable.
6.	Description of the Proposed Project:
	hstallation of 4-150 long "living shoreline" rip rap
	breakuraters to protect \$70 feet of York River
	Shoreline.
Pleas	se check all that apply or supply quantities for the following:
7.	Project Description: a. Riprap Revetmentb. Tree Removalc. Re-Grading
•	$\frac{1}{X}$ d. Bulkheade. Fill
8.	Will the project require any of the following? X a. Excavation X b. Filling X c. Grading
9. ,	Existing Site Conditions: a. Heavily Wooded
. 10.	Impacts on Existing Vegetation in RPA: Qa. Number of trees greater than 3" in diameter removed within 50-feet of shoreline Db. Number of trees greater than 6" in diameter removed for construction access c. Approximate square footage of understory/brush/leaves/needles removed d. Number of trees to be heavily pruned e. Number of dead or diseased trees removed f. Other: (Crowled for construction access (Crowled for construction access (Crowled for construction access)

Shoreline Erosion Control WQIA Application Page 2 of 3 Revised 5/2005
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Proposed Methods to Minimize Site Impacts: a. Tree protection/barriers b. Single construction/access way X c. Stockpile construction materials and debris on hard surfaces X d. Barriers to define limits of construction activity/land disturbance X e. Any other methods? Please describe:
Proposed Mitigation Measures: X a. Vegetation replacement: Trees Mulch of pine needles/bark Shrubs b. Number of new trees proposed c. Number of new shrubs proposed d. Number of new ground cover plants proposed X e. Erosion and sediment control structures utilized: Temporary Seeding X Silt fence X Construction entrance X Construction Barrier/Fencing Other:
13. Please describe the nature and extent of the erosion problem on the site:
The existing York River share line is expenencing severe born't emoin due to storm surge and would action.
14. Please provide the justification (need) for the project:
Procedent of the new breakurater structures will provide protection from erosion causing forces and provide for a stable York River bank in this location
Please provide the basis for selecting the proposed erosion control method:
The living storeline approach will not only prevent shoreline emoion but will provide benefits to
16. Are you seeking or have you already obtained permits from other local, state or federal
agencies in conjunction with this project? X YesNo If yes, please describe:
vmer- no permit required (3.19 2010)
USAME- no response received to date

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Additional pour will be provided post York County Staffer visit so that all Shoreline Erosion Control WQLA Application Revised 5/2005 Page 3 of 3 ATTACH plan with the following information: Comments are incorporated Current survey with dimensions of lot and location of any existing buildings, driveways, decks, sidewalks, etc. Location and method of construction access Two benchmark distances to each endpoint of the project and at 50-foot intervals Location of on-site sewage disposal system (if applicable) Location of shoreline, wetlands, stream and Resource Protection Area boundary Location and dimensions of proposed project Area of land disturbance, clearing, grading and fill Erosion and Sediment Control measures Location and dimensions of BMP and supporting calculations Location of permanent signs and temporary construction fencing Alol For Location, type and size of existing trees and vegetation in RPA County Staffer Designation of trees to remain and trees to be removed in RPA venficodian. Buffer restoration and replacement planting location and detail

Office Use Only			7
Recommendat	ions:		
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Impact on RP.	A purier.		
			=
CBPA Progra	ım Manager:		
	Approved as requested.	No. of the second	
П	Approved with the following conditions:		
	Denied.	,	
Date:			
		•	
Signature: _	CBPA Program Manager	·	

Power Lake, Rip Rap Strocture.

SHORELINE EROSION CONTROL

Water Quality Impact Assessment
Pursuant to §23.2-9(d)(3) York County Chesapeake Bay Preservation Areas Ordinance

	Date: 4.15.2010 CB: 20010 - 10; VMRC 10 - 0379
1.	Applicant/Agent: AFETA Camp Peary, Jeonter Davis
	Phone Number: 757. 229. 2121 ext. 42103
2.	Property Owner (if different from applicant):
	Property Address: 100 Executive Dr., Williamsburg, VA 23188
3.	VMRC Number: # 10 - 0379
4.	Parcel Identification (GPIN) GPS Coordinates 37 19'57";716 38" 46
5.	Does County sanitary sewer or an on-site wastewater disposal system serve this
	lot/parcel? rotapplicable.
б.	The intime of the Dramson Project
	Establishing a riprop structure at Panell Lake store-
	1: a d a la stampe and a large of a ctrop en Sim
	1300 invest common of Class I ripray what and
Pleas	se check all that apply or supply quantities for the following. With I would in the little
7.	Project Description: X a Ripran Revetment b. Tree Removalc. Re-Grading
	<u>X</u> a. Riprap Revelment b. Tree Removal c. Re-Graning d. Bulkhead e. Fill
8.	Will the project require any of the following? \underline{X} a. Excavation \underline{X} b. Filling \underline{X} c. Grading
9.	Existing Site Conditions: a. Heavily Wooded h. Understory/brush
	b. Sparsely Woodedi. Leaves/needles
	X c. No Trees j. Bare Soil X d. Marsh/Swamp X k. Eroding soils/shoreline
	e Stream X 1. Waterfront Property
	f. Ravine or Ditch m. Paved n. Other:
	g. Grass/Lawnn. Other
10.	
	1. Norther of trees greater than 63 in diameter removed for construction access
	c. Approximate square footage of understory/brush/leaves/heeties removed
	d. Number of trees to be heavily pruned e. Number of dead or diseased trees removed
	f. Other:
	MARKET

Shorelii Page 2 c	re Erosion Control WQIA Application Revised 5/2005
11.	Proposed Methods to Minimize Site Impacts: a. Tree protection/barriers b. Single construction/access way c. Stockpile construction materials and debris on hard surfaces d. Barriers to define limits of construction activity/land disturbance X e. Any other methods? Please describe: utilized minimum footpoot
12.	Proposed Mitigation Measures: X a. Vegetation replacement: Mulch of pine needles/bark Vegetated wettowds will be Shrubs
	b. Number of new trees proposed c. Number of new shrubs proposed d. Number of new ground cover plants proposed X e. Erosion and sediment control structures utilized: Temporary Seeding X Silt fence
•	Construction entrance Construction Barrier/Fencing Other:
13.	Please describe the nature and extent of the erosion problem on the site: The existing chan at Powell Lake has expended expended expended.
14.	Please provide the justification (need) for the project: Pacement of new riprap structure will provide protection from emosion on the existing dam and madway.
15.	Please provide the basis for selecting the proposed erosion control method: Existing dam structure with rip rap adjacent to existing madinay - placement of new rip rap is least environmentally damaging atternative
16.	Are you seeking or have you already obtained permits from other local, state or federal agencies in conjunction with this project? X Yes No If yes, please describe: \[\frac{\text{VOC} - \text{NO} \text{PEDICE} \text{VEQUICA} (3.19.2010) \] \[\frac{\text{USACOE} - \text{NO} \text{VEQUICA} (4.8.2010) \]

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PAGE 05/05 Additional plan will be provided ance Yak County staffer completes site so that all York

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ATTACH plan with the following information:

Current survey with dimensions of lot and location of any existing buildings, driveways, decks, sidewalks. etc. incorporated.

Location and method of construction access

Two benchmark distances to each endpoint of the project and at 50-foot intervals

Location of on-site sewage disposal system (if applicable)

Location of shoreline, wetlands, stream and Resource Protection Area boundary

Location and dimensions of proposed project Area of land disturbance, clearing, grading and fill

Erosion and Sediment Control measures

Location and dimensions of BMP and supporting calculations -

Location of permanent signs and temporary construction fencing

Location, type and size of existing trees and vegetation in RPA

Designation of trees to remain and trees to be removed in RPA

Buffer restoration and replacement planting location and detail

Office Use Only					
Recommendation	ons:				
Impact on RPA	huffer				
minan on ra r					
CBPA Program	n Manager:				
	Approved as requested.				
	Approved with the following conditions:				
	Denied.				
Date:					
Signature:	CBPA Program Manager				
	And to a substitute assessment				